

REVISED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087912 A1

(51) International Patent Classification⁷: **C12N 15/09**,
15/15, C12P 21/02, C12N 9/64

(21) International Application Number:
PCT/IB2004/001040

(22) International Filing Date: 5 April 2004 (05.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/460,345 4 April 2003 (04.04.2003) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

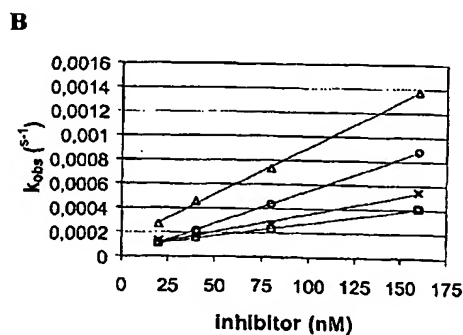
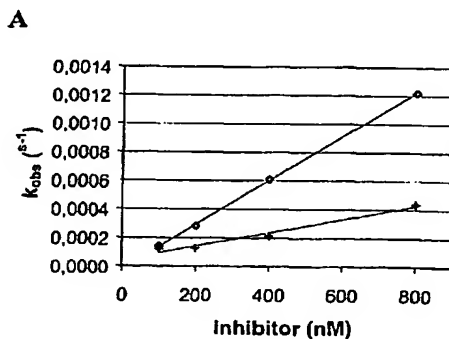
(88) Date of publication of the revised international search
report: 20 January 2005

(15) Information about Correction:

see PCT Gazette No. 03/2005 of 20 January 2005, Sec-
tion II

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: INHIBITOR PROTEINS OF A PROTEASE AND USE THEREOF



(57) Abstract: The present invention relates to a chimeric inhibitor protein of a protease comprising an inhibiting polypeptidic sequence and at least one polypeptidic sequence of a substrate-enzyme interaction site specific for a protease. Other objects of the invention are to provide a purified and isolated DNA sequence encoding the chimeric inhibitor protein of a protease, an expression vector characterized in that it comprises said purified and isolated DNA sequence, a eukaryotic or prokaryotic host cell transformed with this expression vector and a method of producing a chimeric inhibitor protein.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/001040

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/09 C12N15/15 C12P21/02 C12N9/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 827 662 A (COOPERMAN BARRY ET AL) 27 October 1998 (1998-10-27) column 6, lines 48-67, Table I and II and claims 1-6	1-3,5, 7-9,12, 14-17, 23,25, 26, 28-36,38
X	WO 95/27053 A (UNIV PENNSYLVANIA) 12 October 1995 (1995-10-12) page 4, first paragraph, page 14, last paragraph ----- -/-	1-3,5, 7-9,12, 14-17, 23,25, 28-36,38

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

12.10.04

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/001040

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JANCIAUSKIENE S: "Conformational properties of serine proteinase inhibitors (serpins) confer multiple pathophysiological roles" BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, AMSTERDAM, NL, vol. 1535, no. 3, 26 March 2001 (2001-03-26), pages 221-235, XP004277055 ISSN: 0925-4439 the whole document -----	1-38
T	BOS I G A ET AL: "Effect of reactive site loop elongation on the inhibitory activity of C1-inhibitor" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1699, no. 1-2, 1 June 2004 (2004-06-01), pages 139-144, XP004509918 the whole document -----	1-38
A	EP 1 029 921 A (UNIV TEXAS) 23 August 2000 (2000-08-23) the whole document -----	1-38

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PCT/IB2004/001040

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